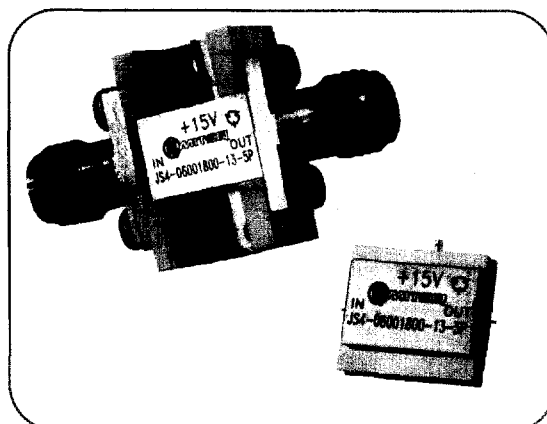


6 TO 18 GHz LOW-NOISE AMPLIFIERS

FEATURES

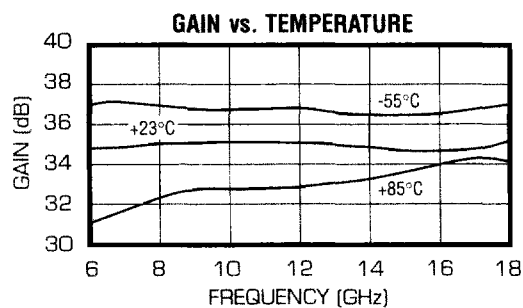
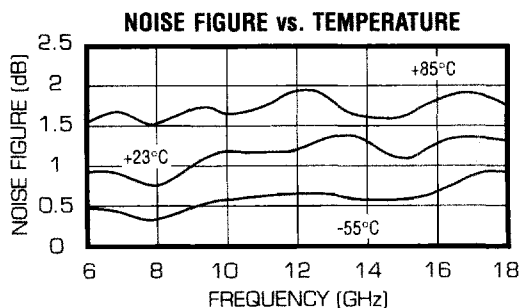
- **Ultralow Noise Figures From 1.35 dB**
- **Phase and Group Delay Linearized**
- **Miniaturized for Coax or Microstrip Interface**
- **Hermetically Sealed Chassis**
- **Military Temperature Range Applications**



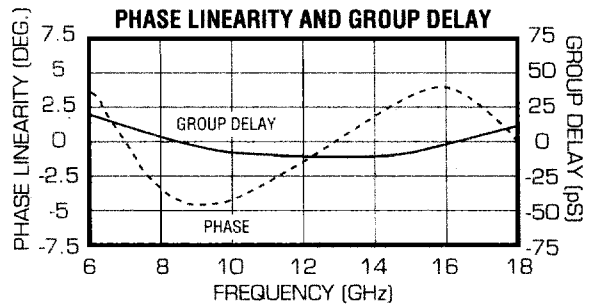
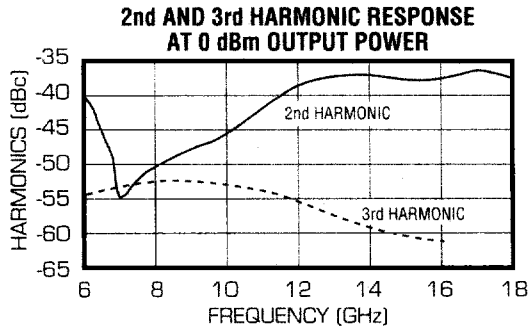
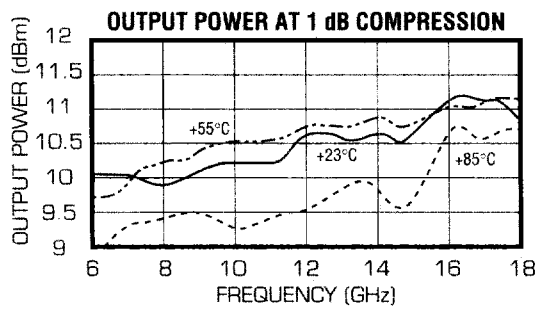
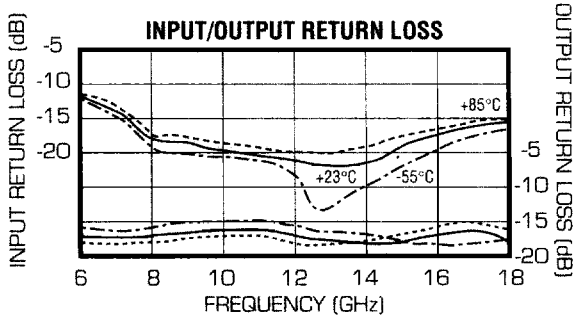
SPECIFICATION PARAMETERS	UNITS	JS4-06001800-135-5P	JS4-06001800-15-5P	JS4-06001800-20-5P
Frequency	GHz	6 – 18	6 – 18	6 – 18
Gain	dB, min.	31	31	31
Gain flatness	dB, max.	±1	±1.5	±2
Noise figure	dB, max.	1.35	1.5	2
Input/output VSWR	max.	2:1	2:1	2:1
Phase linearity				
Per GHz over 8–16 GHz	deg., max.	±5	±5	±5
Over full band, 6–18 GHz	deg., max.	±15	±15	±15
Unit-to-unit phase tracking	deg., typ.	±10	±10	±10
Group delay				
Per GHz over 8–16 GHz	pS, max.	+10	+10	+10
Over full band, 6–18 GHz	pS, max.	+50	+50	+50
Output power at 1 dB compression	dBm, min.	+5	+5	+5
Output IP ³	dBm, min.	+15	+15	+15
Output IP ²	dBm, min.	+25	+25	+25
Output second harmonic IP	dBm, min.	+28	+28	+28
Input power (CW max., survival)	dBm, min.	+20	+20	+20
DC power supply, +12 to +24 volts	mA, typ.	150	150	150

* Electrical parameters are specified at +23°C.

PLEASE NOTE: Customized combinations of the above-noted electrical specifications are available.



6 TO 18 GHz TYPICAL DATA



OUTLINE DRAWINGS

